

ESTIMATION DPR							
State	Odisha	District	Sundargarh	Block	Lahunipara	Gram Panchayat	Kuliposh

Work Code	OD/373/3582/121666/384915/00072851 (Construction of Cement Concrete Road from Bhula Kishan House to Basanta Kishan House at Bhogara)
Project Category	Road

Financial Year	2025-26	Execution Level	PS
Executing Agency	Panchayat Samiti, Lahunipara	Proposal Date	-
Date of Commencement	-	Date of Completion	
Scheme Name	Bikashita Gaon Bikashita Odisha	Scheme Component Name	Viksit Gaon Vikshit Odisha (VGVO)
Project Sub-Category	CC Road	Project Type	New Work
Name of Executant			

Administrative Approval Details

Approval No.	
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Technical Sanction Details

Technical Sanction No.	
Fund Sanction No.	4441/ZP
Fund Sanction Amount (in Rs.)	407106

ACTIVITY STATEMENT

S/N	ACTIVITY TAKEN	UNIT	QUANTITY	UNIT PRICE (IN RS.)	TOTAL (IN RS.)
1	Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	Sqm	241.2	4.6662	1125.48744

2	<p style="text-align: center;">Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	Cum	53.6	240.77592	12905.589312
3	<p style="text-align: center;">Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	22.78	718.820232	16374.72488496

4	<p style="text-align: center;">Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	Cum	26.8	6248.09169602	167448.85745334
5	<p style="text-align: center;">Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifcaion and direction of Engineer-in charge.</p>	Cum	24.12	7697.45196974	185662.54151013

6	<p>R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	Sqm	40.2	216.39264180804	8698.9842006832
7	<p>Earth Work (AR0122Bi) : Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.</p>	Cum	12.06	310.01110892	3738.7339735752
Total Amount (in Rs.): 395954.91877468					

LABOUR STATEMENT

SI.No.	Activity Name	Qty/unit(B=Analysis Basic Qty/HeaderUnit)	Quantity(Measurement Qty)	Unit
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1	<p>Earth Work (AR0110) : Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.</p>	-	241.2	Sqm
i	Un-Skilled	0.01	2.412	-
2	<p>Earth Work (AR0102aa) : Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge</p>	-	53.6	Cum
i	Un-Skilled	0.516	27.6576	-
3	<p>Earth Work (AR0115) : Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	22.78	Cum

	i	Un-Skilled	0.1236	2.815608	-
4		<p>Concrete (AR0303) : Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.</p>	-	26.8	Cum
	i	Skilled	0.18	4.824	-
	ii	Un-Skilled	3.9	104.52	-
5		<p>Concrete (AR0307) : Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	24.12	Cum

	i	Un-Skilled	4.6	110.952	-
	ii	Skilled	0.68	16.4016	-
6		R.C.C. Work (AR0410c) : R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc	-	40.2	Sqm
	i	Semi-Skilled	0.05	2.01	-
	ii	Skilled	0.05	2.01	-
7		Earth Work (AR0122Bi) : Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	12.06	Cum

i	Un-Skilled	0.32	3.8592	-
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Sl.No.	Labour Type	Qty Unit	Rate	Amount
1	Un-Skilled	252.216408	462	116523.980496
2	Skilled	23.2356	562	13058.4072
3	Semi-Skilled	2.01	512	1029.12
Total: 130611.507696				

MATERIAL STATEMENT

Sl.No.	Activity Name/Material	Qty/unit (B=Analysis Basic Qty/Header Unit)	Quantity (Meaurement Qty)	Unit
1	Earth Work (AR0110) :.Fine dressing of earth work in ordinary or hard soil in road formation - Fine dressing of earth work in ordinary or hard soil in road formaton according to the direction of the department including cutting or filling earth upto 0.15m depth of surface.	-	241.2	Sqm
2	Earth Work (AR0102aa) :.Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift - Earth work in hard soil or gravelly soil foundation & plinth within 50m. Initial lead and 1.5m initial lift including rough dressing and breaking clods to maximum 5cm to 7cm and laying in layers not exceeding 0.3m in depth and as per the direction of the Engineer-in-charge	-	53.6	Cum

3	Earth Work (AR0115) :.Filling foundation and plinth with sand well watered and rammed - Filling foundation and plinth with sand well watered and rammed including cost, conveyance, royalty, taxes of all materials, labours and T & P required for the work etc. complete and as per direction of Engineer-in charge.	-	22.78	Cum
i)	BRM029 : Sand for filling and road blinding	1	22.78	1 Cum
4	Concrete (AR0303) :.Cement concrete (1:3:6) with 4 cm. Crusher Broken hard granite metal - Cement concrete (1:3:6) with 4 cm. hard granite(Crusher Broken) metal including laying in layers not exceeding 300 mm in depth, ramming, compacting to proper thickness, watering and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete and as per direction of Engineer-in charge.	-	26.8	Cum
i)	BRM340 : Cement	2.29	61.372	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.48	12.864	1 Cum
iii)	BRM044 : Granite Stone broken metal 40mm. size (Crusher broken)	0.96	25.728	1 Cum.

5	<p>Concrete (AR0307) :.Cement concrete (1:2:4)with 12mm size hard broken granite chips per 1cum - Cement concrete work with (1:2:4) using 12mm size hard granite(crusher broken) chips including hoisting and laying in position compacting to specified design section and curing for proper period with cost conveyance, royalty, taxes of all materials, labour and T&P required for the work etc. complete as per specifaion and direction of Engineer-in charge.</p>	-	24.12	Cum
i)	BRM340 : Cement	3.23	77.9076	1 Qntl.
ii)	BRM028 : Screened and washed sharp sand for mortar	0.45	10.854	1 Cum
iii)	BRM056 : Granite Stone broken chips 12mm. size (Minimum 65% by Wt. Passing through 13.2mm sieve & retained on 9.50mm sieve but whole should pass through 19mm sieve) (Crusher broken)	0.9	21.708	1 Cum.
6	<p>R.C.C. Work (AR0410c) :.R.C.C. foundation , plinth band and footings bases of columns mass concrete precast slabs etc - Rigid and smooth centring and shuttering for R.C.C. works including false works and dismantling them after casting including cost of materials complete in ground floor R.C.C. foundation, plinth band and footings bases of columns mass concrete precast slabs, etc</p>	-	40.2	Sqm
i)	BRM104 : Non Sal wood scantling & plants(Tentera, Kasi, Gamhari, Kuruma)	0.00267	0.107334	1Cum.
ii)	BRM092 : Non-sal bullahs 75mm. mean dia of any length.	0.126	5.0652	1Mtr.

7	Earth Work (AR0122Bi) :.Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift - Earthwork in ordinary soil within 5 Km. mechanical carriages and spreading in filling area/road berm within initial lead and lift including dressing and leveling the bed, etc. as per direction of Engineer-in-Charge.	-	12.06	Cum
i)	BRMM402 : Loading into trucks and unloading from trucks within 50 Meter lead (2/3 of rate is consider for loading).	-0.6666	-8.039196	1 Cum
ii)	BRMM401 : Conveyance of material by 10 ton trucks within 5 KM including loading and unloading	1	12.06	1 Cum

SI.No.	Material Name	Qty	Unit	Rate	Amount
1	BRM029	22.78	1 Cum	608.35	13858.213
2	BRM340	139.2796	1 Qntl.	585.022	81481.6301512
3	BRM028	23.718	1 Cum	613.29	14546.01222
4	BRM044	25.728	1 Cum.	2179.16	56065.42848
5	BRM056	21.708	1 Cum.	2580.53	56018.14524
6	BRM104	0.107334	1Cum.	58620.646	6291.988417764
7	BRM092	5.0652	1Mtr.	276.666	1401.3686232
8	BRMM402	-8.039196	1 Cum	175.38	-1409.91419448
9	BRMM401	12.06	1 Cum	276.01	3328.6806
Total: 231581.55253768					

ROYALTY STATEMENT

S/N	Material Name	Qty	Unit	Royalty Rate	Amount
1	BRM029	22.78	1 Cum	46.25	1053.575
2	BRM028	23.718	1 Cum	46.25	1096.9575
3	BRM044	25.728	1 Cum.	329.5	8477.376
4	BRM056	21.708	1 Cum.	329.5	7152.786

Total: 17780.6945

ADDITION COMPONENT

SI.No.	Item Name	Amount (in Rs.)
1	Provision for Contingency @ Rs. 4071	Rs. 4071
2	Display Citizen Board @ Rs. 5000	Rs. 5000
3	Any Other Lumpsum @ Rs. 2079	Rs. 2079
		Total Addition Component Amount (in Rs.): 11150

Total Net Amount (in Rs.): 407104.91877468